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«Bonjour, on va faire un p'tit jeu»\*

\*« Hello, we're gonna play a little game »

# Previous study

Carambola
Dragon fruit
Jackfruit
Mangosteen
Chinese pear
Chinese cabbage
Raspberry
Tomato
Carrot
Cauliflower
Mushroom
Eggplant



# Previous study



# What did we learn from that?

- Children can categorize, i.e. make groups of objects
- The consensus makes sense

**But still, how do they do that?**

# Our Study

- Goal: to reach children's reasoning
- 170 children from 3 to 10 years old:
  - 88 boys and 82 girls
  - 40 children from 3-4
  - 41 children from 5-6
  - 89 children from 7-10

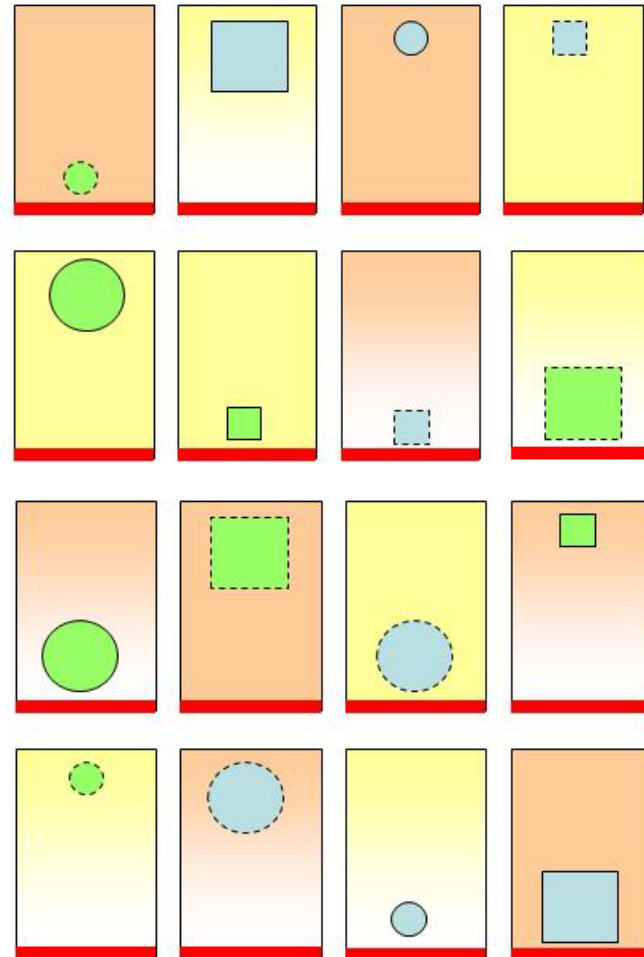
# How to reach children's reasoning

- Its components:
  - ✓ Geometric shape
  - ✓ Shape color
  - ✓ Size...
- Are those components ordered and used the same way between children?
- Use of a hierarchical sorting task

# The cards

- 16 cards with 7 factors:

- ✓ Geometric shape
- ✓ Shape color
- ✓ Size
- ✓ Line style
- ✓ Position
- ✓ Background color
- ✓ Shaded / Plain



# The questionnaire

## Notes:

Name:

Sexe (F/M):

Age:

Shy? (Y/N):

Right/Left hander:

Glasses (Y/N):

Hair color:

Enquirer's name :

Criterion:  
Said (Y/N):

Criterion:  
Said (Y/N):

Criterion:  
Said (Y/N):

Criterion:  
Said (Y/N):

Criterion:  
Said (Y/N):

Criterion:  
Said (Y/N):

Criterion:  
Said (Y/N):

Symmetry? (Y/N/Na):

Turns around the cards? (Y/N):

Time of beginning:

Time of end:

Length of time:

Number of hierarchies:

Number of criteria used:

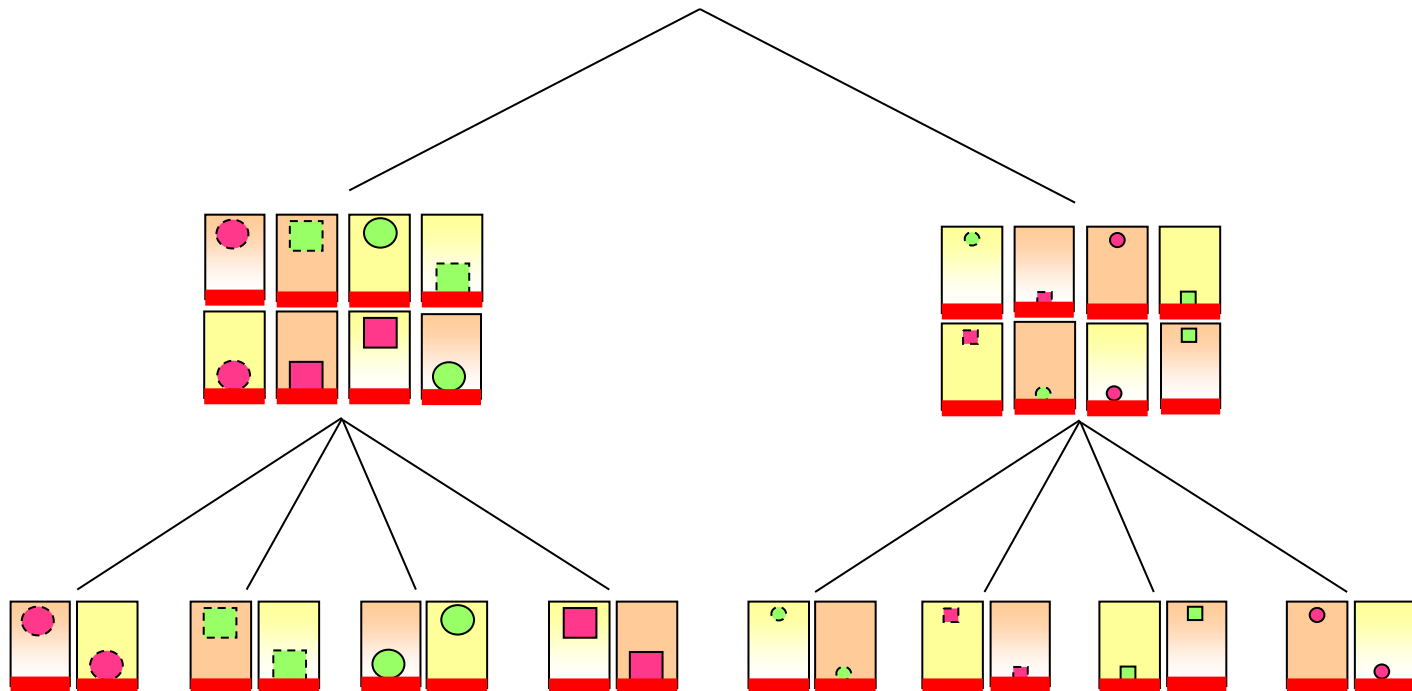
Number of criteria pronounced:

Final number of groups:

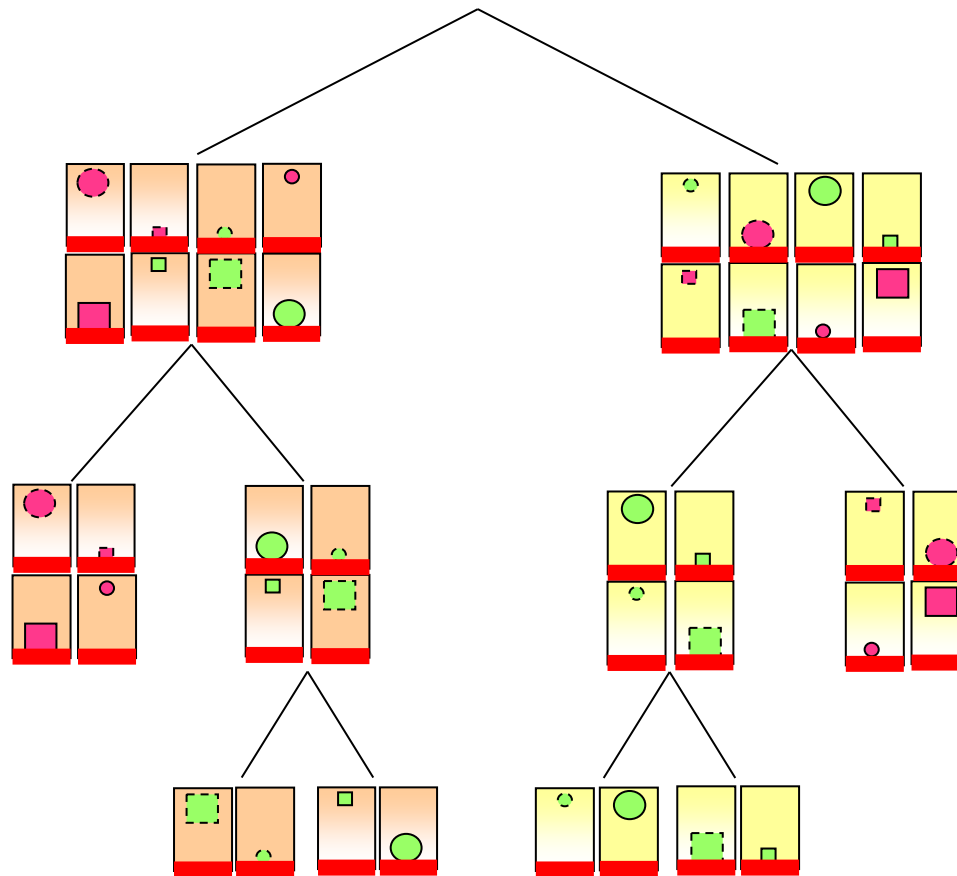
Other:



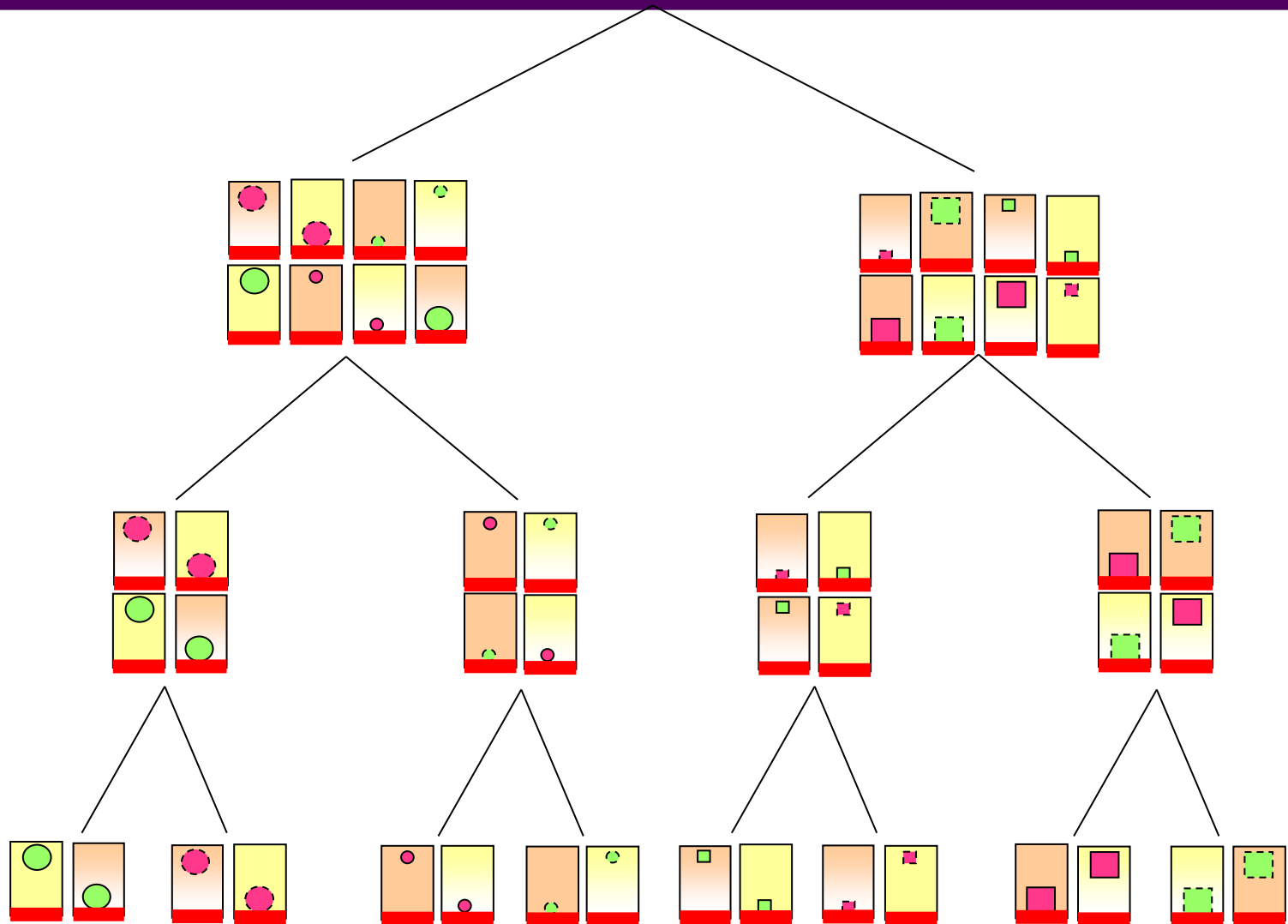
# Chloé



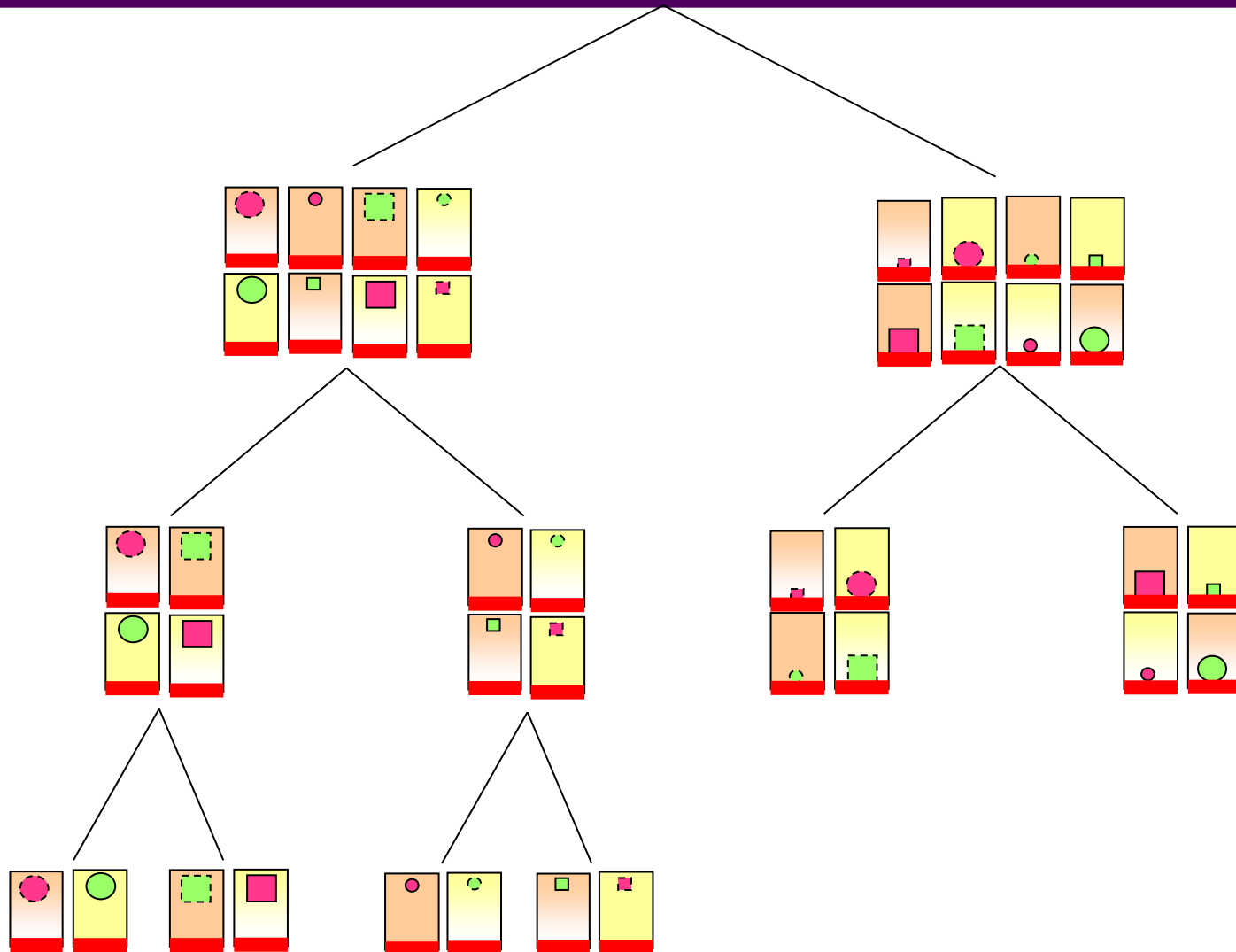
# Aksel



# Antoine

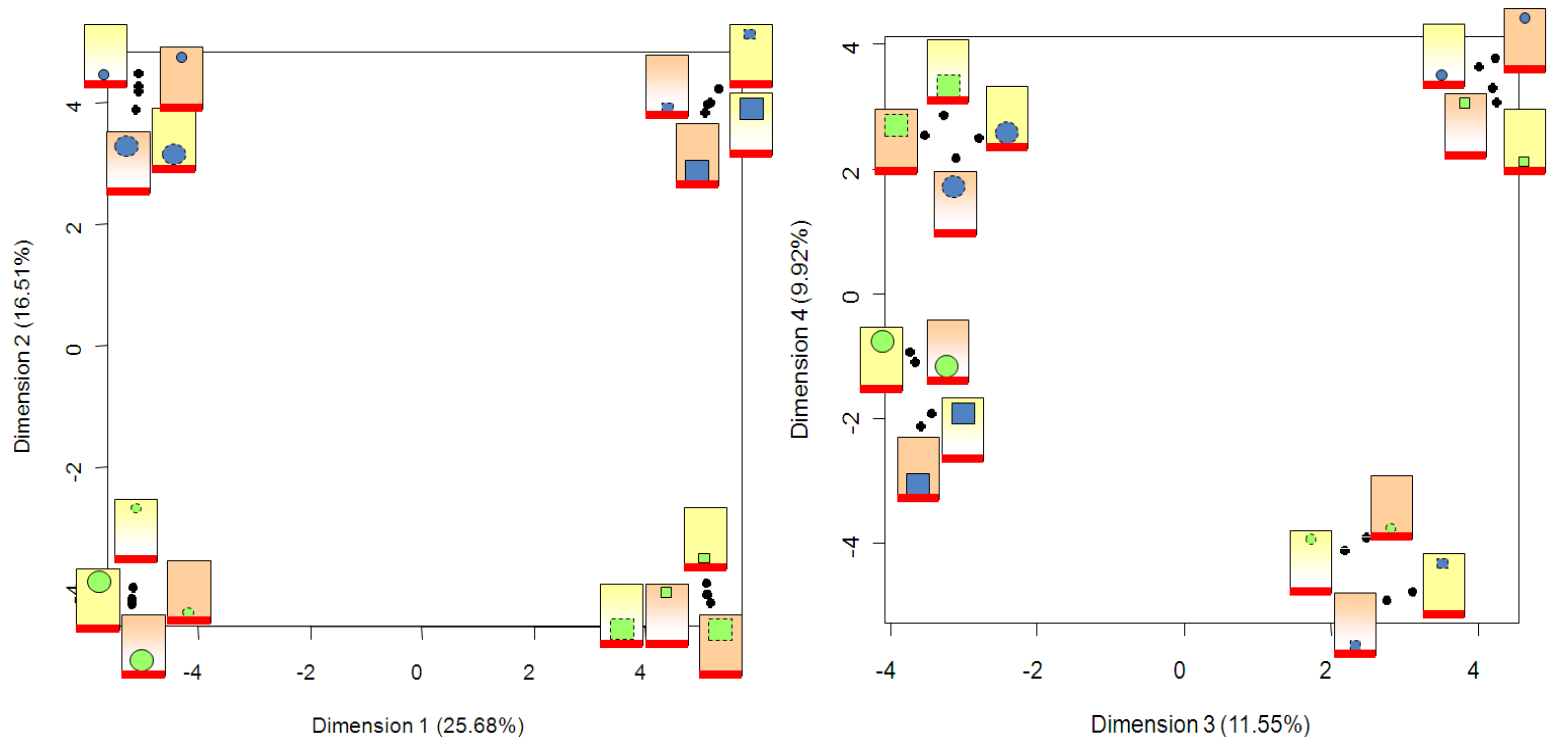


# Frédéric



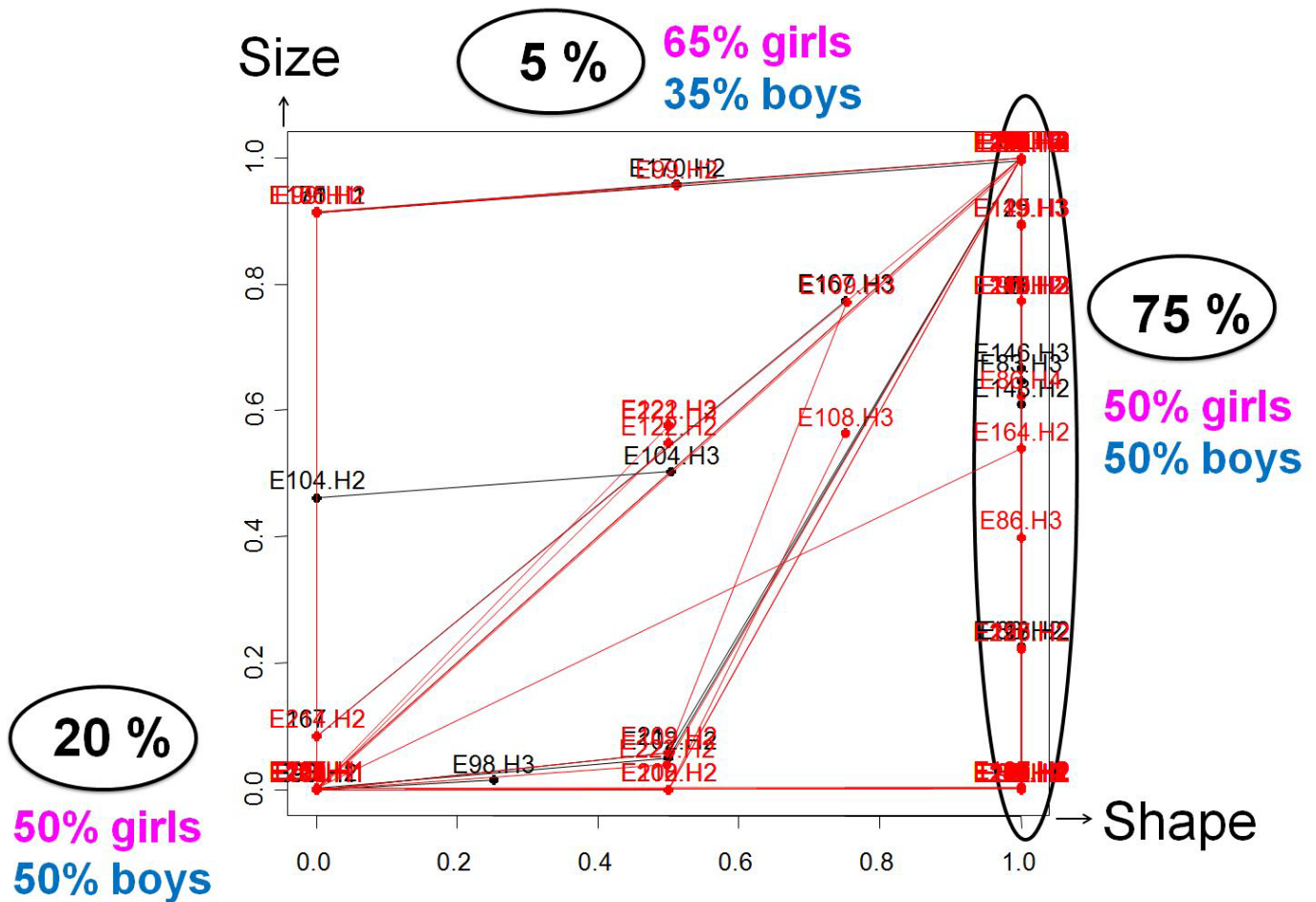
# Cards representation

- Consensus obtained from the 3-4 years old kids:



# Cognitive processes representation

- Are there privileged paths?



# Please go to...

- **Poster n°33**
- This methodology can also be applied in a sensory framework: Marine Cadoret, **tomorrow**, parallel session 1, 14:10

# Thank you

To Marie Durand,  
Sébastien Lê, Marine  
Cadoret, and the  
children!

